

PATENT ABSTRACTS OF JAPAN

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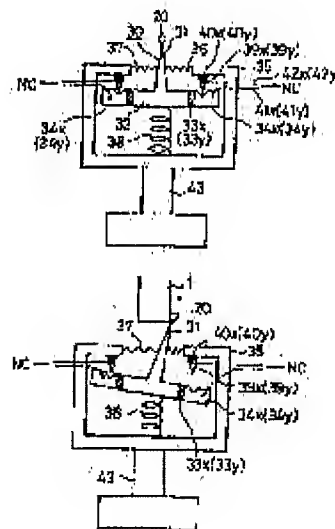
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(54) POSITIONING DEVICE FOR DISCHARGE MACHINING ELECTRODE

(57)Abstract:

PURPOSE: To perform the positioning of an electrode at a high speed with high precision immediately before machining by providing a support member tiltably supporting a fitting member when a reference measuring piece, the electrode and a reference ball are brought into contact with each other.

CONSTITUTION: When a reference measuring piece, an electrode 1 and a reference ball 20 are brought into contact with each other, the fitting member 30 of the reference ball 20 is tilted, contact sections 34x, 34y are separated from fixed contact sections 39x, 39y, and the signal at the separation moment is captured to measure the direction and position. The fitting member 30 of the reference ball 20 is tiltably supported, and the positioning speed is accelerated. Even if the smoke, refuse and dust generated during machining are stuck to the reference ball 20, the size is normally suppressed to 1/100mm or below, the effect of the measurement error is made extremely small.



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